

ABSTRACT

A method for determining whether an radio frequency identification (RFID) device is detected, includes: (a) selecting a plurality of different antenna patterns from a predetermined multiplicity of antenna patterns; (b) determining a plurality of binary results; (c) selecting, from a plurality of predetermined methods, a method for forming a logical combination; and (d) determining that the identification device is detected by forming a logical combination of the plurality of binary results according to the selected method. Each binary result is responsive to whether a respective communication link provides a respective signal having a respective amplitude exceeding a respective threshold. Each communication link is operative in accordance with at least one of the selected antenna patterns.

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